



**Australian Government**

**Department of Climate Change, Energy,  
the Environment and Water**  
Australian Antarctic Division

## Expeditioner Band 1.5 (APS 4) – Mechanic

<b>Classification</b>	Expeditioner Band 1.5 (APS 4) - \$79,801 pa
<b>Total Remuneration</b>	\$145,142 pa (when in Antarctica/sub-Antarctic, inclusive of Antarctic Allowances)
<b>Division</b>	Australian Antarctic Division
<b>Branch</b>	Assets and Technology
<b>Section</b>	Mechanical and Mobile Plant
<b>Location</b>	Based in Kingston, Tasmania. Antarctic and sub-Antarctic
<b>Employment Status</b>	Non-Ongoing (temporary)
<b>Hours</b>	Full Time
<b>Security Clearance</b>	Not Required

### Commitment to Inclusion

AAD values diversity, in backgrounds and experience. We acknowledge the challenges associated with the work that we do and are committed to developing an inclusive culture for all people. We welcome everyone to apply, especially those individuals who are underrepresented in the industry: women and gender diverse people, LGBTQIA+ folks, culturally and linguistically diverse people and Aboriginal and/or Torres Strait Islander peoples.

### Overview

As a Mechanic you will maintain and operate a range of mechanical plant and equipment. You will also maintain and operate the station power generation facilities (mechanical side). You will support station and field operations as required.

Mechanics work in either summer or winter jobs. Shorter winter opportunities may also arise. Mechanics are only employed at Casey, Davis and Mawson stations. If staying on station as part of the wintering crew you are required to participate in an on-call roster, to respond to out of hours issues – mainly related to the station powerhouse.

A Senior Mechanic (Macquarie Island) and a Wilkins Aerodrome Diesel Mechanic will be selected from suitable Mechanic and/or Station Mechanical Supervisor applicants. Overland Traverse Mechanics will be selected from suitable Mechanic applicants.

### The Job

As a Mechanic you will be required to undertake some or all of the following:

- Operate and maintain (mechanical component) station power generation facilities;
- Maintain a wide range of mechanical plant and equipment including portable generators/pumps, 4x4 and specialised over snow vehicles, earth moving machinery, trailers etc.;
- Operate plant and equipment as required (loaders, forklifts, tractors etc)
- Provide mechanical support to various user groups as required;
- Maintain fuel, lubricant and gas cylinder storage, spare parts and material storage;

- Support station operations and field operations and assist science programs as required;
- The AAD is committed to providing a safe place of work, safe systems of work and a culture in which care for one another's safety and wellbeing is central to the way we do things. Having stated this, you are going to an extreme workplace. The consequences of you failing to understand your responsibilities can be catastrophic. It is therefore incumbent on all expeditioners to understand and implement the AADs Work Health Safety Commitment Statement and the AAD Safety Behaviours Framework.

The Mechanic reports directly to the Station Mechanical Supervisor.

### **Senior Mechanic (Macquarie Island)**

The Senior Mechanic is the only mechanic at Macquarie Island and in addition to the mechanical duties above, is required to undertake some of the duties undertaken by the Station Mechanical Supervisor at other stations.

The Senior Mechanic reports directly to the Station Leader during the summer period.

### **Wilkins Aerodrome Diesel Mechanic**

In addition to mechanical duties above, the incumbent will be required to undertake other duties relating to Aviation Ground Support including but not limited to baggage handling, emergency response, passenger liaison and transfer and cargo unloading/loading. These additional roles require interface with jet aircraft and all required training for this will be delivered prior to deployment.

The Wilkins Aerodrome Diesel Mechanic also contributes to daily camp duties which may include (but are not limited to) fresh water replenishment, grey water disposal, cleaning of ablutions, kitchen and other areas, as well as assistance to the Aerodrome Chef at Wilkins with food preparation and stock replenishment.

The Aerodrome Mechanic reports directly to the Wilkins Aerodrome Manager during the summer period, with technical support in Antarctica given by the Senior Mechanical Supervisor (SMS) at Casey Station.

### **Overland Traverse Mechanics**

Traverse Mechanics provides mechanical support to a fleet of tractors towing sleds transporting infrastructure, cargo and fuel on an overland traverse route prepared by snow groomers.

Traverse mechanics will be required to undertake field mechanical repairs as well as other duties relating to the traverse including but not limited to connecting traverse trains, daily traverse start up and shut down procedures, emergency response, transfer and cargo unloading/loading and supporting the establishment of the mobile inland station. The traverse mechanic will also contribute to daily traverse activities including (but not limited to) cleaning and food preparation.

Traverse Mechanics reports directly to the Traverse Leader while on traverse, with technical support in Antarctica provided by the Station Mechanical Supervisor (SMS) at Casey station.

As a proactive and positive member of the community you will:

- Maintain a personal and practical commitment to AAD policies and standard operating procedures (including work, health and safety and environmental policies). Training and guidance in regard to all responsibilities relevant to your position will be provided.
- Be rostered to perform duties to support the community life of the expedition, such as general kitchen duties, garbage clearance, general cleaning duties, and assisting other expedition members with official programs, to ensure an equitable contribution.
- Work in areas outside of your primary role, for example, providing assistance to other areas or science projects, or participating in general labouring tasks such as clearing snow or handling cargo.

## **What we are looking for**

### **Essential**

You can only be selected for this role if you have these essential skills and licences (provide copies in your application):

- A suitable mechanical trade, certificate III MEM or AUR qualification or recognised equivalent such as motor mechanic, diesel mechanic, plant mechanic, fitter and turner, or auto electrician.
- A Forklift (High Risk) Licence, or the ability to attain prior to commencement
- A current, unrestricted "C" class (manual) Australian driver's licence.
- Valid passport when travelling to the Antarctic or sub-antarctic. The expiry date of the passport (and any relevant visa) must be at least 6 months beyond the planned end date of your intended stay in the Antarctic or sub-antarctic
- A current statement of attainment in the following units of first aid, or the ability to attain prior to commencement:
  - Provide First Aid (HLTAID0011) must be valid for at least 18 months beyond the date of AAD commencement.
  - Provide CPR (HLTAID009) must be valid for at least 6 months beyond the date of AAD commencement

### **Recent hands-on experience** (within the last 5 years):

- Diesel engine maintenance, diagnostics, repair, and overhaul (such as Caterpillar, Cummins, electronic and non-electronic).
- Maintenance and repair of heavy plant, including tracked, wheeled and stationary equipment (such as Cat loaders, tractors and excavators, Grove cranes, Komatsu crushers).

### **Desirable**

These are not essential to the role, however to be suitable you will need to have at least some of these. We encourage you to apply even if you do not fit 100% of the requirements

- Dogging (DG) licence. (provide copies in your application):
- Recent hands-on experience (within the last 5 years):
- Petrol engine maintenance, repair and overhaul.
- Maintenance and repair of medium vehicles and plant, including over-snow vehicles, trucks and forklifts.
- Maintenance and repair of light vehicles, including Toyota 4x4 vehicles and Honda all-terrain vehicles.

- Maintenance and repair of small plant, including pumps, generator sets, heaters, ice drills and outboard motors.
- Servicing and maintenance of single and three phase power generation equipment.
- Hydraulic systems.
- Automotive electrics.
- Workshop practices, including an understanding of current work health and safety policies.
- Maintenance of stock inventories including stocktaking, reordering spares and consumables.
- Fitting and machining
- Welding and metal fabrication
- Preparation of monthly and annual reports

### **Additional**

Should your application be successful, it is useful to have some understanding of any additional licences you have.

- Current Heavy Rigid (HR) driver's licence valid in Australia
- Confined space
- Dozer
- Elevated Work Platform
- Excavator
- Loader
- Operation of a crane
- Rigging
- Skidder
- Skid steer loader (Bobcat)
- Telescopic materials handler
- Working Safely at Heights

**Personal Qualities** - The Australian Antarctic Division assesses the personal qualities required to successfully live and work in an isolated Antarctic or sub Antarctic community. Successful candidates need to demonstrate the personal qualities criteria detailed [here](#). This will be assessed during the selection process.

### **Eligibility and other requirements**

**Citizenship** – In accordance with the PS Act 1999, APS employees are required to be Australian citizens. Persons who are not Australian citizens will generally only be considered where there are no suitable Australian applicants, with next considerations being Australian residents with work rights and New Zealand citizens

**Security Clearance** - This position does not require a security clearance.

**Pre-employment Check** - Your suitability for employment will be assessed through a pre-employment screening process. This process includes a requirement to undergo and satisfy a National Police Check, referee checks, character clearance and a pre-employment medical and psychological adaptability assessment, specified mandatory qualification(s) validation and a probation period.

As this role will require you to be involved in a Safety Sensitive Aviation Activities, a condition of employment is that you will be required to undertake drug and alcohol screening of urine and/or saliva samples.

### **Requirement to be vaccinated under public health orders**

It may be a condition of your employment that:

1. if you are required to be vaccinated against COVID-19 under an applicable Australian law; or
2. if the department is unable under an applicable Australian law to permit you to attend for work (ie outside of your usual place of residence) unless you are vaccinated against COVID-19,

You must be up to date with your COVID-19 vaccinations, and you must also comply with all recommendations from public health authorities regarding any additional vaccinations that ensure the effectiveness of the COVID-19 vaccine that you have received.

### **How to Apply**

*The [Application Process](#) and the [Life as an Expeditioner](#) pages contain critical information about living and working in Antarctica, and must be read in conjunction with this job description prior to applying.*

Apply for this role by submitting your application through our [Jobs in Antarctica](#) website. If you have any questions regarding this role, email the contact officer.

Your email is our primary method of contacting you; please make sure that the email and phone number you provide us is correct, current and accessible. **We recommend applicants to not use their work email on their application for accessibility.**

### **Work Health and Safety Obligations**

All workers (APS1-Secretary) have a duty to take reasonable care for their own health and safety whilst at work, to ensure their acts or omissions do not adversely affect the health and safety of other persons and to comply with any reasonable instruction given to comply with the Work Health and Safety legislation.

All supervisors and managers (APS5-EL1) play a significant role by modelling safe work behaviours and clearly setting the standard for acceptable behaviour in the workplace. Supervisors and managers play a critical role in supporting 'Officers' to exercise due diligence and in consulting with duty holders.

An Officer (EL2-Secretary) makes and participates in making decisions that affect the whole or a substantial part of the department. Employees at the SES Band 2 and above classification are considered to be Officers under the Work Health and Safety Act 2011 (Cth) with all EL 2 and above required to complete officer due diligence training. Officers have a duty to be proactive and continuously ensure that the department complies with relevant duties and obligations.

### **Contact**

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